

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900044-6

MODRO, T.

New method of synthesis of carboxylic acids. Wiad chem 17  
no. 5:307. My '63.

MURO, T.

Synthesis of aromatic carboxyl acids from hydrocarbons with  
dichloromethylene pyrocatechin ether. Wied chem 17 no.9:536  
8 '63.

MODRO, T.

Model phosphorylation systems. Wiad chem 17 no.1:49-50  
Ja '63.

MODRO, T.

Synthesis of phosphates and pyrophosphates of terpene  
alcohols. Wlad chem 17 no.1:48-49 Ja '63.

MICHALSKI, Jan; MODRO, Tomasz

Derivatives of hypophosphoric acid. Pt. 1. The synthesis of tetraalkyl hypophosphates. Roczniki chemii 36 no.3:483-488 '62.

1. Department of Organic Chemistry, Institute of Technology, Lodz, and Institute of Organic Synthesis, Polish Academy of Sciences, Lodz.

MODRO, Tomasz, dr inż. adiunkt

Synthesis and transformations of pyrophosphate systems. II. Wiad  
chem 16 no.10:591-605 0 '62.

1. Zakład Syntezy Organicznej, Polska Akademia Nauk, Pracownia nr 2,  
Łódź.

MODRO, T.

Nitrosation of amidophosphates. Wlad chem 16 no.10:627 0 '62.

MODRO, T.

Synthesis of acetylene derivatives from enole phosphates. Wiad chem  
16 no.10:626-627 0 '62.



MODRO, T.

A new method of phosphorylation of sugars. Wiad chem 16 no.9:576  
S '62.

MCDRO, T.

N,N-2-ethylene-2-amide of O-alkyl- and O-aryl-thio-phosphoric  
acid as potential antitumorigenic agents. Wiad chem 16  
no.9:576 3 '62.

\*

MOJERO, Tomasz, mgr inż., aspirant

Synthesis and transformations of organic pyrophosphates. I.  
Wiad chem 16 no.9:537-562 S '62.

1. Zakład Syntezy Organicznej, Polska Akademia Nauk,  
Pracownia Nr. 2, Łódź.

MICJALSKI, Jan; MODRO, Tomasz

Organophosphorus compounds of sulphur and selenium. Pt. 18. Desulphurisation of some thiophosphoric acid esters. Roczniki chemii 35 no.5: 1537-1541 '61.

1. Department of Organic Chemistry, Institute of Technology, Lodz and Institute of Organic Synthesis, Polish Academy of Sciences, Lodz.

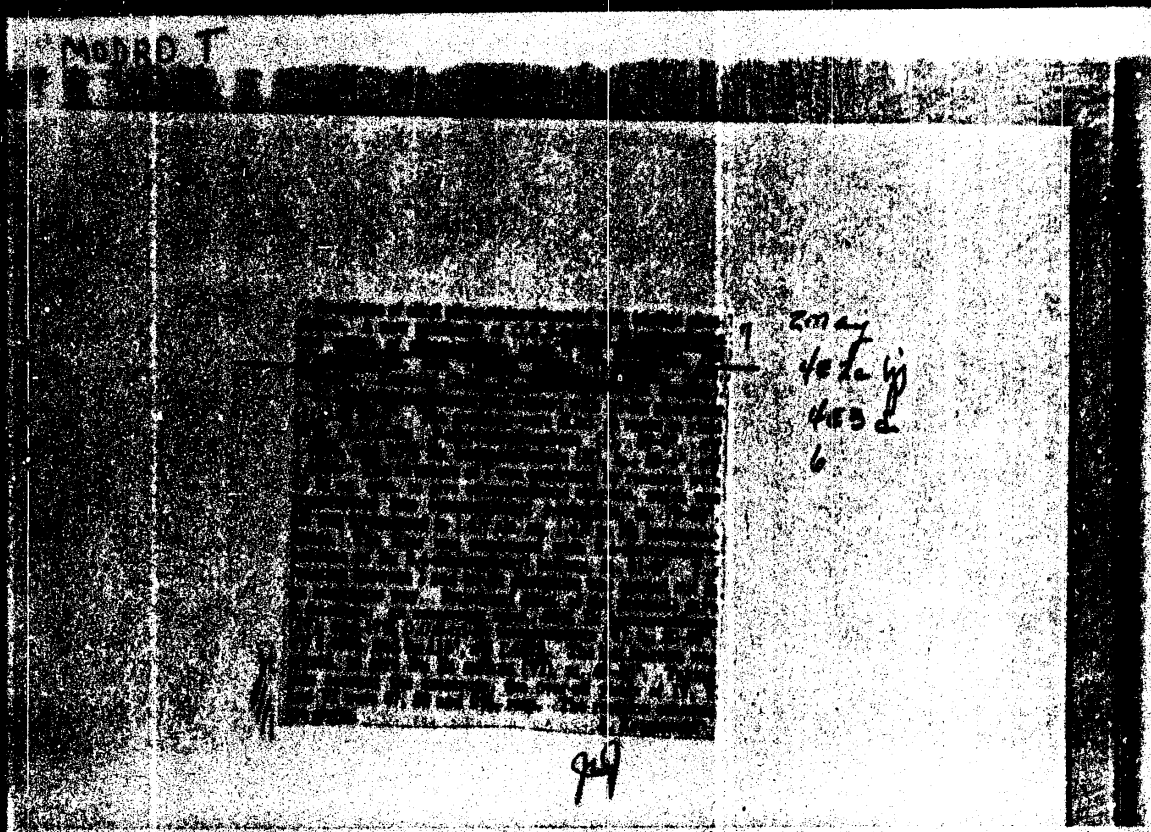
MDDRO, T

01-01-61: 41226(1)/5234

1. Reaction of water and sodium  
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 99. Reaction of water and sodium  
 100. Reaction of water and sodium

6  
 1- BN(BW)  
 2- JN3(VBX 2nd)  
 1- ROW  
 2-

g.) refluxed 2 hrs. with 18.4 g. S-ethyl sodium thiomate  
 (IX) in 70 ml. CCl<sub>4</sub> gave no reaction. Similarly, IX and  
 (XO)<sub>2</sub>P 2 hrs. at 110-120° gave no reaction. (XO)<sub>2</sub>PONa  
 (0.18 mole) in 180 ml. EtOH added to 24.6 g. IX in 100 ml.  
 EtOH at 50° gave 5.2 g. III.  
 J. A. Glue



MODRINSKIY, N.I.

Geodesy in the Socialist Federal People's Republic of  
Yugoslavia. Geod. i kart. no.9:63-73 S 151.

(BIPA 1973)

MODRINSKIY, N.I., prof.

Accuracy of relief projection on a manuscript map on a scale of 1:2000  
based on aerial photographs. Izv.vys.ucheb.zav.; geod. i aerof. no.1:37-  
48 '64. (MIRA 17:12)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i  
Kartografii.



MODRINSKIY, N.I., prof.

Geodetic education in the Socialist Federal Republic of  
Yugoslavia. Izv. vys. uchebn. zav.: geod. i aerof. no.5. 129...  
135 '63. (MIRA 17:8)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki  
i kartografii.

MODRINSKIY, N.I., kand.tekhn.nauk, dotsent

Permissible discrepancies in the marks of control pegs in plane  
table topographic surveying at a 1:2000 scale. Trudy MIIGAIK  
no.48:79-104 '61. (MIRA 15:8)

1. Kafedra geodezii Moskovskogo instituta inzhenerov geodezii,  
aerofotos"yemki i kartografii.  
(Topographical surveying)

BAGRATUNI, G.V.; BOL'SHAKOV, N.N.; BRUYEVICH, N.I.; SUBNOV, I.A.;  
GRAMENITSKIY, D.S.; IZOTOV, A.A.; MAZMISHVILI, A.I.; MODRINSKIY,  
N.I.; SALIYAYEV, S.A.; FLORENT'YEV, V.B.; FOMIN, P.M.

Nikolai Fedorovich Balasvskii; obituary. Izv.vys.ucheb.sav.;  
geod.i aerof. no.6:121-122 '61. (MIRA 15:3)  
(Balasvskii, Nikolai Fedorovich, 1882-1961)

MODRINSKIY, N.I., dotsent, kand.tekhn.nauk

Eightieth birthday of Aleksandr Stepanovich Chebotarev, Doctor  
of Technical Sciences. Izv.vys.ucheb.zav.; geod.i aerof.  
no.6:119-120 '61. (MIRA 15:3)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i  
kartografii.

(Chebotarev, Aleksandr Stepanovich, 1881-)

MODRINSKIY, N.I.

A survey of the activities of the state geodetic service in Poland.  
Geod. i kart. no. 6:67-69 Je '61. (MIRA 14:6)  
(Poland—Surveying) (Poland—Cartography)

# Geodesy

SOV/5281

appeared in 1955 and was translated into Chinese and published in Peking in 1959. In the foreword to this second edition, the author thanks Professor V. G. Leontovich; Professor N. I. Tovstoles, Doctor of Technical Sciences; Docent M. A. Girshberg, Candidate of Technical Sciences; and Docent Kh. M. Tsopikov, Candidate of Technical Sciences. There are 55 references: 42 Soviet, 5 Polish, 2 Bulgarian, 1 Slovak, 1 German, 1 English, 1 Serbian, 1 French, and 1 Czech.

## TABLE OF CONTENTS:

Foreword to the Second Edition	3
Foreword to the First Edition	4
Ch. I. Fundamentals of Geodesy	
1. Subject matter and content of geodesy	5
2. Form and size of the Earth	6
3. Characteristics of the position of points on the	

Card 2/17

PHASE I BOOK EXPLOITATION

SOV/5281

Modrinskiy, Nikolay Ivanovich

Geodeziya (Geodesy) 2d ed., rev. and enl. Leningrad, Gidrometeoizdat, 1960. 448 p. Errata slip inserted. 5,000 copies printed.

Eds.: T. V. Ushakova and M. K. Shatilina. Tech. Eds.: M. I. Braynina and A. N. Sergeyev.

**PURPOSE:** This book is intended as a textbook for students at hydrometeorological institutes. It may also be of interest to practical hydrologists and meteorologists.

**COVERAGE:** The book contains basic information on the types of topographic survey work being performed by the Hydrometeorological Service of the USSR. The use of topographic maps is explained and the main instruments used in surveying are described. In addition to a discussion of the various types of instrumental surveying, the book includes information on phototopography and its use in hydrology and hydrography. The first edition of this book

Card ~~1/17~~

Geodesy in the Polish People's Republic

SOV/6-59-6-17/22

Professor P. S. Zakatov and L. V. Sorokin have been translated from Russian into Polish. Z. Zapas'nik published a handbook in 1957. There are 5 tables and 2 Soviet references.

Card 4/4



## Geodesy in the Polish People's Republic

SOV/6-59-6-17/22

At present, topographic maps 1 : 5,000 for developed industrial areas, towns and river valleys, i.e. 10% of Poland, and for the rest on a scale of 1 : 10,000, are being worked out. A general economic map 1 : 5,000 (about 75% of Poland), and a map 1 : 2,000, of areas with small-size estates are also in elaboration. These maps are compiled on the basis of aerial surveys. The State Cartographic Institute published 29 atlases and 200 general and school maps, including 4 parts of the Atlas of Poland, the Atlas of Poland by Yanishevskiy, and a road map which is partly printed on silk. 7 prescriptions were published in 1948-52; their main parts on theodolite traverses and "location survey" are listed in table 3. The Committee of Geodesy of the Polish Academy of Sciences was constituted on December 27, 1952. This Committee publishes the periodical "Geodeziya i kartografia" which appears 4 times a year. Professor T. Kokhman'skiy kept on developing the Krakovyan - Algebra by T. Banakhevich, and created the "Kern" (yadernaya) algebra in 1946. It is based on the multiplication of series suggested by Cauchy. Professor Hausbrandt developed "auxiliary symbols" to simplify geodetic computations. The books by

Card 3/4

**Geodesy in the Polish People's Republic**

SOV/6-59-6-17/22

concentrate the work of universal national importance in the MACC, and to constitute subdivisions at the People's Councils of districts, towns and voivodeships. There are still independent private geodesists in Poland, and some of them are joined in associations. Triangulation in Poland is divided into primary, supplementary-, and completion triangulation. The principal triangulation, the basis of the two others, was carried out in 1949-55. The two other triangulations will presumably be completed in 1958. Further details on the execution of triangulation are given. Thus, the cartography on a scale of 1 : 25,000 is ensured. The point coordinates are calculated on the ellipsoid by Krasovskiy in the coordinate system of 1942, and the spot heights according to the Baltic system. 50-80 points are adjusted at the same time by the group method of Franis-Pranevich. Normal equations are solved according to the scheme by Banakhevich or by the shortened Gaussian scheme. The adjustment of the completion networks is done according to the method by St. Hausbrandt or by means of multiple intersection. Accurate leveling in Poland is divided into 2 orders. The requirements set up are indicated in table 2. There is a plan of completing the topographic map on a scale of 1 : 25,000 by 1959.

Card 2/4

3(4)

AUTHOR:

Modrinskiy, N. I.

SCV/6-59-6-17/22

TITLE:

Geodesy in the Polish People's Republic  
(Geodeziya v Pol'skoy Narodnoy Respublike)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 6, pp 61-67 (USSR)

ABSTRACT:

The topographic-geodetic work in Poland is carried out by 3 organizations: Main Administration of Geodesy and Cartography (MAGC) of the Ministry of Internal Affairs, Ministry of Agriculture and Ministry of Municipal Services. The tasks of the MAGC include the execution of the principal surveying and cartographic work in the country. It is carried out by the State Geodetic Service, the State Geodetic Services of the okrug, and the State Cartographic Institute. The system of the MAGC comprises a Research Institute of Geodesy and Cartography with 5 departments and one astronomic-geodetic observatory in Borova G6ra. In 1957, the State Geodetic and Cartographic Council was constituted as an advisory organ at the Ministry of Internal Affairs. This Council coordinates and plans the geodetic and cartographic work. It consists of representatives of offices and institutions concerned with geodesy and cartography. At its 1st Meeting on June 25-26, 1957, the Council recommended to

Card 1/4

3(4)  
AUTHOR: Medrinskiy, N. I., Editor of the Department SOV/154-59-3-19/19  
TITLE: Foreign Geodetic Periodicals (Zarubezhnaya geodezicheskaya periodika)  
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1959, Nr 3, pp 156 - 157 (USSR)  
ABSTRACT: A list is given with descriptions of contents of the following periodicals: "Geodetický a kartografický sběr", Prague, 1958, Nr 7 to 12, in Czech language, "Geodezia i kartografia", Warsaw, 1958, Nr 3 and 4 as well as "Przegląd Geodezyjny", Warsaw, 1958, Nr 7 to 12 in Polish language, and "Tekhnika", Sofia, 1958, Nr 6, 7, and 8 in Bulgarian language.

Card 1/1

3(4)  
AUTHOR: Modrinskiy, N. I., Department Editor 30V/154-55-1-13/13  
TITLE: Foreign Geodetic Periodicals (Zarubezhnaya geodezicheskaya periodika)  
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos'yemka, 1959, Nr 1, pp 133-140 (USSR)  
ABSTRACT: This survey contains 95 references from 4 Polish periodicals, 80 references from 5 Czechoslovakian periodicals, 5 references from 1 Bulgarian periodical, 30 references from 1 German periodical, 28 references from 1 Hungarian periodical, 6 references from 1 French (Paris) periodical, and 7 references from 1 Canadian (Ottawa) periodical.  
SUBMITTED: December 1, 1958

Card 1/1

# Application of Cracovians (Cont.)

SON/2756

20. General principles of adjustment	98
21. Evaluating the accuracy of adjustment elements and their functions	106
22. Order of computations with the aid of cracovians in adjustment by means of indirect measurements	109
23. Multi-group adjustment by the I.Yu. Pranis-Franevich method	120
24. Application of transforming cracovians	144
Problems	150
Ch. V. Adjustment by Means of Conditional Measurements	
25. General principles of adjustment	153
26. Evaluating the accuracy of adjusted elements and their functions	156
27. The order of the computations with the aid of cracovians in adjustment by means of conditional measurements	158
Problems	164
Appendix. S. Hausbrandt's Tables for the Extraction of a Square Root	167
Bibliography	
AVAILABLE: Library of Congress	IX/jb
Card 5/5	1-7-60

Application of Cracovians (Cont.)

SOV/2756

- |  |    |
|--|----|
| 12. General considerations. Indefinite solution of equations                                   | 65 |
| 13. Solution of a system of equations with triangular cracovian coefficients at the unknowns   | 67 |
| 14. Solution of a system of equations with assymetrical cracovian coefficients at the unknowns | 69 |
| 15. Solution of a system of equations with symmetrical cracovian coefficients at the unknowns  | 72 |
| 16. Iteration method of solution of a system of equations                                      | 79 |
| Problems   | 81 |

PART II. CRACOVIAN IN GEODETIC COMPUTATIONS

Ch. III. Computing the Coordinates of Points Located by Intersections and Resections

- |  |    |
|--|----|
| 17. Intersection   | 85 |
| 18. Single resection   | 89 |
| 19. Determination of two points by two known points (Hansen problem) | 94 |
| Problems   |    |

Ch. IV. Adjustment by Means of Indirect Measurements

Card 4/5

# Application of Cracovians (Cont.)

SOV/2756

## TABLE OF CONTENTS:

### PART I. FUNDAMENTALS OF CRACOVIAN CALCULUS

Ch. I. Introductory Concepts. Operations on Cracovians	
1. Fundamental definitions and symbols. Forms of cracovians	11
2. A cracovian equality. Addition and subtraction of cracovians	15
3. Multiplication of cracovians	18
4. Transposition of cracovians	24
5. Permutation, combination, and disjunction of cracovian multipliers	29
6. Checking multiplication of cracovians	32
7. Division of cracovians	34
8. Factoring of cracovians into canonical factors	37
9. Extraction of a cracovian root	44
10. Factoring of cracovians into factors with proportional rows	48
11. Finding the inverse of a cracovian	51
Problems	61

### Ch. II. Solution of Linear Equations

Card 3/5



## Application of Cracovians (Cont.)

SOV/2756

Basic statements are illustrated by corresponding examples at the end of each chapter. Professor A. S. Chebotarev, Doctor of Technical Sciences and head of the geodesy department of the Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii (Moscow Institute of Engineers of Geodesy, Aerial Photography, and Cartography), is credited with the idea of presenting in Russian the cracovian calculus and its applications to the theory of adjustment. For their assistance in preparing the book, the author thanks A. S. Chebotarev; Professor S. Warchałowska-Ketlinska, Doctor, Engineer; Professor S. Hausbrandt, Doctor, Engineer; Professor Cz. Kamela, Doctor, Engineer; Professor T. Kochmański, Doctor, Engineer; Professor K. Kozieł, Doctor; Professor T. Lyazzarini, Doctor, Engineer; Professor M. Odlanicki-Pocsobutt, Doctor, Engineer; Docent K. Kordylewski, Doctor; G. Pierscionek, Master, Engineer; W. Klopociński, Master, Engineer; R. Koronowski, Master, Engineer; and W. Senisson, Master, Engineer. There are 69 references: 47 Polish, 4 Russian, 7 French, 4 German, 3 English, 2 Italian, and 2 Spanish.

Card 2/5

16(1)

PHASE I BOOK EXPLOITATION

SOV/2756

Modrinskiy, Nikolay Ivanovich

Primeneniye krakovyanov v geodezicheskikh vychisleniyakh (Application of Cracovians in Geodetic Calculations) Moscow, Geodezizdat, 1959. 179 p. Errata slip inserted. 3,000 copies printed.

Ed.: A. S. Chebotarev, Doctor of Technical Sciences, Professor; Ed. of Publishing House: F. I. Khromchenko; Tech. Ed.: V. V. Romanova.

**PURPOSE:** This book is intended for specialists in applied mathematics and geodesy.

**COVERAGE:** The author attempts to give the Soviet reader a complete and systematic presentation of the cracovian calculus and of its applications. The book consists of two parts. In the first part the fundamentals of cracovian calculus and its applications to the solution of systems of linear equations are presented. The second part is primarily devoted to the application of cracovian calculus to the theory of adjustment. The author tries to present the material in such a way that the reader acquainted with the fundamentals of the theory of determinants and the method of least squares may comprehend cracovian calculus to the extent needed for the study of many problems.

Card 1/5

Application of the "Krakovyany" Method to the  
Computation of the Coordinates of Points Determined  
by Resection

SOV/6-58-10-7/17

(2), and (3) are written down in their respective "Krakovyany" form and the computation is continued. This is elucidated with an example. It is shown that for solving the problem, including a check, only 43 steps of computation are required, this feature representing an advantage as compared to other known methods. 2) The method presented by the Swiss surveyor A. Ansermet for solving resecting problems is investigated. It is also solved by making recourse to the "Krakovyany" method and is elucidated with an example. Emphasis is placed on the fact that the equations due to Ansermet were presented in a somewhat different form by the Czechoslovakian surveyor J. Maly. There are 2 figures, 2 tables, and 2 references, 1 of which is Soviet.

Card 2/2

3(4)

AUTHOR:

Medrinskiy, M. I. Candidate of  
Technical Sciences

SOV/6-58-10-7/17

TITLE:

Application of the "Krakovyany" Method to the Computation  
of the Coordinates of Points Determined by Resection  
(Primeneniye krakovyanyov dlya vychisleniya koordinat punktov,  
opredelennykh obratnoy zasechkoy)

PERIODICAL:

Geodesiya i kartografiya, 1958, Nr 10, pp 39 - 43 (USSR)

ABSTRACT:

The computation of the coordinates of a point determined by  
resecting can be speeded up by resorting to the use of the  
"Krakovyany" method of multiplication, which is based upon  
rectangular tables of the numerical values of quantities,  
as a function of which the wanted coordinates can be computed.  
It is assumed that the fundamentals of the "Krakovyany"  
method are known from the paper by Yu. G. Milevskiy  
"Krakovyany Computation and Its Application to the Method  
of Least Squares" (Geodesiya i kartografiya, 1957, Nr 1).  
Two typical cases of solving resecting problems are  
presented: 1) In the computation of the coordinates of  
the point to be determined Zh. Delambr's equations are  
frequently used: (1), (2), (3), and (4). Equations (1),

Car: 1/2

SOV/154-58-6-16/1

# Higher Geodetical Education in the Polish People's Republic

large scale, developments of designs for astronomic-geodetical apparatus, improvement of methods for the making of topographic maps.

The following periodicals are available: "Prace i Geodezyjny", "Geodezja i Kartografia", the issues of "Trudy" of the Warsaw Polytechnic Institute dedicated to geodesy, as well as those of the Krakow Academy of Mining and Metallurgy.

A course of study takes 4 years and 10 months. Special training starts in the 3rd year. The curriculum of the Warsaw Institute is shown here. The individual subjects are listed.

The Krakow Academy has two places for practical training: at ~~Geszyce~~ near Krakow, and at ~~Kroszonenka~~ on the river Dunajec.

The Warsaw Institute has no permanent places for practical training.

20 weeks are provided for the theses to acquire the diploma.

Both faculties introduced correspondence lessons in 1956.

The number of land surveying engineers at present is one-third of all experts carrying on the surveying in the whole country.

There are 2 tables.

Card 3, 4

SOV/154-58-6-16/22

# Higher Geodetical Education in the Polish People's Republic

Voivodeship Branch) of the Society of Land Surveyors, J. Piotrowski, Professor, Doctor, Dean of the Warsaw Institute, J. Gomoliszewski Professor, Doctor, Dean of the Krakow Academy and by the following heads and scientific collaborators holding the leading chairs of the two faculties: Professors S. Warchalowska, Kietlinski, F. Biernacki, Cz. Kamelja Z. Kowalczyk, T. Kozlowski, T. Lazzarini, M. Odianicki-Poczobutt, S. Hausbrandt, Docent F. Pientkowski and the adjuncts R. Koronowski, A. Platek and W. Senisson. The Department of Geodesy and Cartography of the Warsaw Polytechnic Institute with 12 chairs and 19 laboratories was reorganized in 1954. 400 persons are studying here at present. The Department of Mining Geodesy was organized on October 1, 1951. It has 2 special branches with 7 chairs. 80 persons a year are admitted. There are the following scientific degrees in Poland: ordinary professor, extraordinary professor, docent, deputy professor, adjunct, chief assistant, assistant. Special studies at present concern: Deformations by means of geodetical methods, rationalization of geodetical and compensating calculations, the geoid (dynamic geodesy), application of photogrammetry for cartographing on a

Card 2/4

3(4) SOV/154-58-6-16/22  
 AUTHOR: Modrinskiy, N. I., Docent, Candidate of Technical Sciences  
 TITLE: Higher Geodetical Education in the Polish People's Republic  
 (Vyssheye geodezicheskoye obrazovaniye v Pol'skoy Narodnoy  
 Respublike)  
 PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i  
 aerofotos"yemka, 1958, Nr 6, pp 135-141 (USSR)  
 ABSTRACT: Following an invitation of the Nauchno tekhnicheskoye  
 Obshchestvo pol'skikh geodezistov (Scientific-Technical Society  
 of Polish Geodesists), the author visited in February-March  
 1958 the fakul'tet geodezii i kartografii Varshavskogo poli-  
 tekhnicheskogo instituta (Department of Geodesy and Cartography at  
 the Warsaw Polytechnic Institute) and the fakul'tet gornoy  
 geodezii (marksheyderii) Krakovskoy gorno-metallurgicheskoy  
 akademii (Department of Mining Geodesy (Mine Surveying) at the  
 Krakow Academy of Mining and Metallurgy). During his visit, the  
 author was accompanied by W. Ktopocinski, Master Engineer,  
 President of the Main Administration of the Society of Polish  
 Land Surveyors, J. Zafac, Engineer, chairman of the board of  
 directors of the krakovskoye voyevodskoye otdeleniye (Krakov

Card 1/4

MODRINSKIY, N.I., dotsent, kandidat tekhnicheskikh nauk.

~~www.armscontrol.ru~~  
Some problems of topographic surveying at the scale of  
1:5000 and 1:2000. Sber.st.pe geod.no.6:19-31 '54.  
(Topographical surveying) (MLRA 9:6)



SOV/154-58-1-20/22

Czecho-Slovakian Geodesic and Cartographic Periodicals in 1956

quarterly by the Czecho-Slovakian Academy of Sciences. It mainly discusses theoretic and applied cartography. This periodical consists of three sections: 1) strictly scientific articles, 2) communications, 3) bibliography. The subjects of the first two sections include: general problems, history of cartography. The third section (which almost covers one fifth of the total number of pages) contains detailed book reviews. The chief editor of the "Kartograficky prehled" is Doctor K. Kukharzh.

ASSOCIATION: Moskovskiy institut inzhenerov geodezii, aerofotos'yemki i kartografii  
(Moscow Engineering Institute of Geodesy, Aerophotography and Cartography)

SOV/154-58-1-20/22

**AUTHOR:** Modrinskiy, N. I., Candidate of Technical Sciences, Doctor

**TITLE:** Czecho-Slovakian Geodesic and Cartographic Periodicals in 1956 (Chekhoslovatskaya geodezicheskaya i kartograficheskaya periodika v 1956 godu)

**PERIODICAL:** Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka. 1958, Nr 1, pp 161-164 (USSR)

**ABSTRACT:** This article gives a survey of the periodicals published in Czecho-Slovakia dealing with geodesy and cartography. The periodical "Geodeticky a kartograficky obzor" is a monthly publication and the organ of the Scientific Center of Geodesy and Cartography. As to contents the paper is divided into four sections: 1) Scientific Contributions, 2) Proposals of Rationalization, 3) Bibliography, 4) Announcements, Communications of Various Institutions. The subjects include: organization and financing of cartographic-geodesic production also geodesy, photogrammetry, cartography, instrumentology, and calculation of geodesic equations. The chief editor of the periodical is Engineer Vl. Sakhunskiy. The second periodical is called: "Kartograficky prehled" and is published

Card 1/2

POPOV, Vasil'y Vasil'yevich, prof.: ~~MOIRINSKII, B.I.~~; red.; VASIL'YENVA,  
V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Adjustment of traverses] Uravnoveshtvanie poligonov. Izd.9.  
Moskva, Izd-vo geodez. lit-ry, 1958. 159 p. (MIRA 12:2)  
(Traverses (Surveying))

MODRINSKIY, N.I.

MODRINSKIY, N.I., dots., kand. tekhn. nauk.

On the Russian-Czech geodetic glossary. Trudy NIIGAIX no.27:88-90  
'57. (MIRA 11:1)

1. Kafedra geodesii Moskovskogo instituta inzhenerov geodesii, aero-  
fotos"yemki i kartografii.  
(Geodesy--Dictionaries)

*Modrinskiy, N.I.*

MODRINSKIY, N.I., dots., kand. tekhn. nauk.

Geodetic glossary in five languages. Trudy MIIGAIK no.27:85-88 '57.  
(MIRA 11:1)

1. Kafedra geodesii Moskovskogo instituta inzhenerov geodesii, aero-  
fotos"yemki i kartografii.

(Geodesy--Dictionaries, Polyglot)

Atmospheric Refraction and 'Bending' Refraction Coefficient  
in Slovakia, by J. Kouba, Geod. a kartogr. obzor, 2/44, No 1,  
 1956, pp 12-14 (from Referativnyy Zhurnal -- Astronomiya-Geo-  
deziya, No 2, Feb 57, Abstract No 1646 by N. I. Modrinskiy)

To study the effect of refraction trigonometric leveling, special two-sided measurements of zenithal distances were carried out at points in the eastern part of the basic Czechoslovak triangulation, located at points with different type reliefs, from the South Slovak lowlands to the High Tatras. The readings were carried out by various observers using Wild T3 theodolites in a period of 19-23 hours. The stations and the heliotropes were located at least 6 m above the surface of the earth. A dependence between the fluctuations of zenithal distances and the absolute altitudes was detected under the effect of short period refraction variations. These fluctuations vary from 5" in mountainous regions (1,900 m and over) to 200" in lowlands (150 m), in what amounts to a mean length of the triangulation side of 32 km (maximum errors of refraction coefficient determination of  $\pm 0.002$  to  $\pm 0.06$ ). (U)

Summary 1360

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900044-6  
1954. 591 p.  
(Geodesy)

MODRINSKIJ, Mikulas [Modrinskiy, Nikola], prof.

Relation between the parameters of the Koppe and Haab equations.  
Geod kart obzor 10 no.11:269-271 N 164.

1. Moscow Institute of Geodesy, Aerial Survey and Cartography  
Engineers, Moscow.



MODRINSKI, M.

The problem of contour lines on large -scale maps as studied in the Soviet Union. Pt. 2  
p. 376

PRZEGŁAD GEODEZYJNY. (Stowarzyszenie Naukowe-Techniczne Geodetów Polskich)  
Warszawa. Vol. 14, no. 10, Oct. 1958  
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959  
Uncl.

MODRINSKI, M.

Tachymetric nomograms in the USSR. p. 361.  
(PRZEGLAD GEODEZYJNY, Vol. 12, no. 10, Oct. 1956, Poland)

SO: Monthly List of East European Accessions(EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

MODRIN, Aleksandr, inzh.

~~MODRIN, Aleksandr, inzh.~~  
Sewerage system of the city of Sofia. Khidrotekh i melior 9 no.  
10:308-310 '64.

MODRIN, Aleksandur, inzh.

Standards and technical regulations for the design of sewerage constructions. Khidrotekh i melior 8 no.5:143-144 '63.

MODRIN, Aleksandur, inzh.

The rainfall as a factor in dimensioning the canalization of Sofia.  
Khidrotekh i melior 7 no.9:274-275 '62.

MODRIN, Aleksandur, inzh.

Some problems related to the sewer system of Sofia. Khidrotekh i  
melior 7 no.3:80-81 '62.

MODRIC, Kasimir, dr.

Principles for the evaluation of work capacity. Liječn. vjesn.  
85 no.6:593-602 '63.

1. Iz Savjeta za narodno zdravlje Narodne Republike Hrvatske.  
(DISABILITY EVALUATION)

S

Novak, Dr. Ruzimir, People's Health Council (Savjet za Narodno Zdravlje) of Croatia.

"Principles in the Evaluation of Working Capacity."

Zagreb, Liječnicki Vjesnik, Vol 85, No 6, 1963, pp 593-602.

Abstract: [Author's English summary modified] In the absence of appropriate training at medical school or during internship, criteria relating to working capacity as applied by physicians in the field vary greatly and are largely subjective rather than scientifically established. These differences, which cannot be justified in terms of social or health conditions, are at their height at the time when a decision must be made as to possible return to work. The question involves legal allowances of importance both to those covered by health insurance and to the community as a whole. The author stresses the significance of occupational and social history in the evaluation of working capacity. No references.

1/1



APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900044-6  
role of medical associations in application of this law. *Lijeće*,  
vjesn. 83 no.3:221-230 '61.

1. Iz Savjeta za narodno zdravlje NR Hrvatske.  
(PUBLIC HEALTH legislation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900044-6

MODRIC, Dragan (Zagreb)

Production of polyolefins continues to show steady trends  
of growth. Kem ind 13 no.10:839-841 0 '64.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78683.

Author : ~~Modric, D.~~

Inst : Not given.

Title : Sulfamides in Modern Medicine and in the Pharmaceutical Industry.

Orig Pub: Kemijia u industriji, 1957, 6, No 3, 94-96.

Abstract: The problems are discussed concerning the position occupied by sulfamides (I) in modern medicine and in the production of pharmaceutical preparations as compared with the constantly growing use of antibiotics II. The author comes to the conclusion that II do not displace I, and on the contrary they supplement each other, and I even have advantages over II. In the last years, the new fields of application of I were discovered,

Card 1/2

MODRIC, A.; STRUNJAK, R.

Effectiveness and virulence of some autochthonous varieties of  
Rhizobium trifolii. Zemljiste biljka 12 no.1/3:311-317 Ja-D '63.

1. Agricultural Faculty of the University of Zagreb, Zagreb-  
Maksimir.

MODREZEJEWSKI, K.

POLAND/Chemical Technology - Chemical Products and Their  
Application, Part 4. - Cellulose and Its  
Derivatives, Paper.

H-33

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48964

Author : K. Modrezejewski

Inst : -

Title : Scientific-Technical Conference on the Question of  
Manufacturing of Hemicellulose, High Yield Cellulose and  
Semichemical Pulps.

Orig Pub : Przegl. papiern., 1957, 13, No 11, 321-324

Abstract : No abstract.

Card 1/1

MOHRNWSKA-WINOWSKA, Renata (Krakow, Grzegorzewska 16)

Anatomo-pathological changes in the liver in infant dystrophy. Pat.  
polska 5 no.2117-142 Apr-June 54.

1. I Zakladu Anatomii Patologicznej Akademii Medycznej w Krakowie.  
Kierownik: prof. dr J.Kowalczykowa.  
(INFANT NUTRITION DISORDERS, pathology,  
liver)  
(LIVER, in various diseases,  
inf. nutrition disord.)

MODREANU, F. ; RALEA, R.

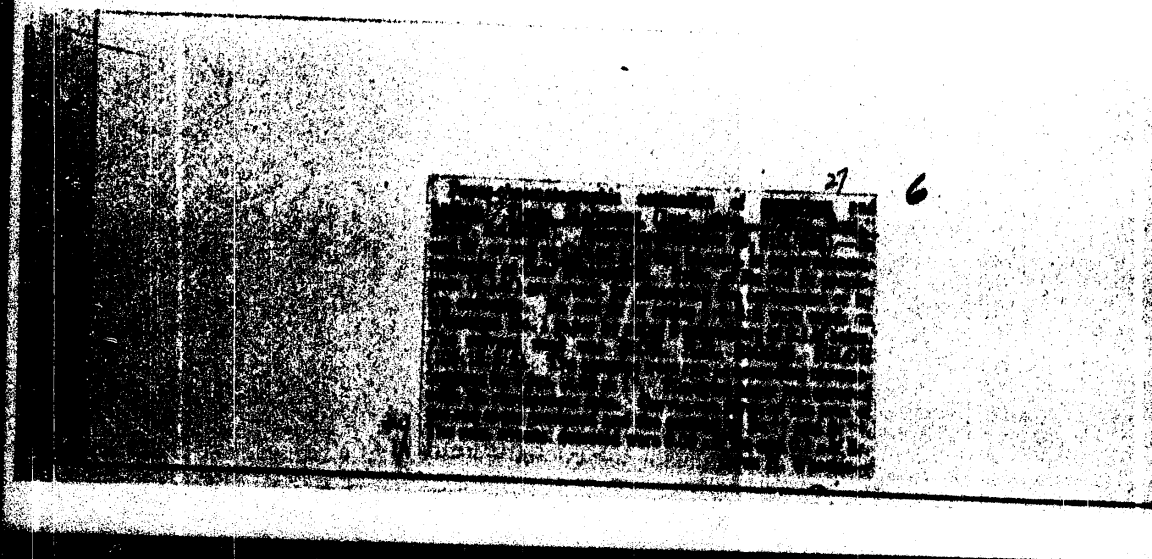
Colorimetric and polarographic methods of determining cobalt and potassium  
p. 231.

STUDII SI CERCETARI STIINTIFICE. CHIME. Iasi, Rumania  
Vol. 8, no. 1, 1959.

Monthly List of East European Accession (EEAI) IC, Vol. 8, no. 9, Sept. 1959.

Uncl.

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MODREANU, F.

[REDACTED]

98

3  
1

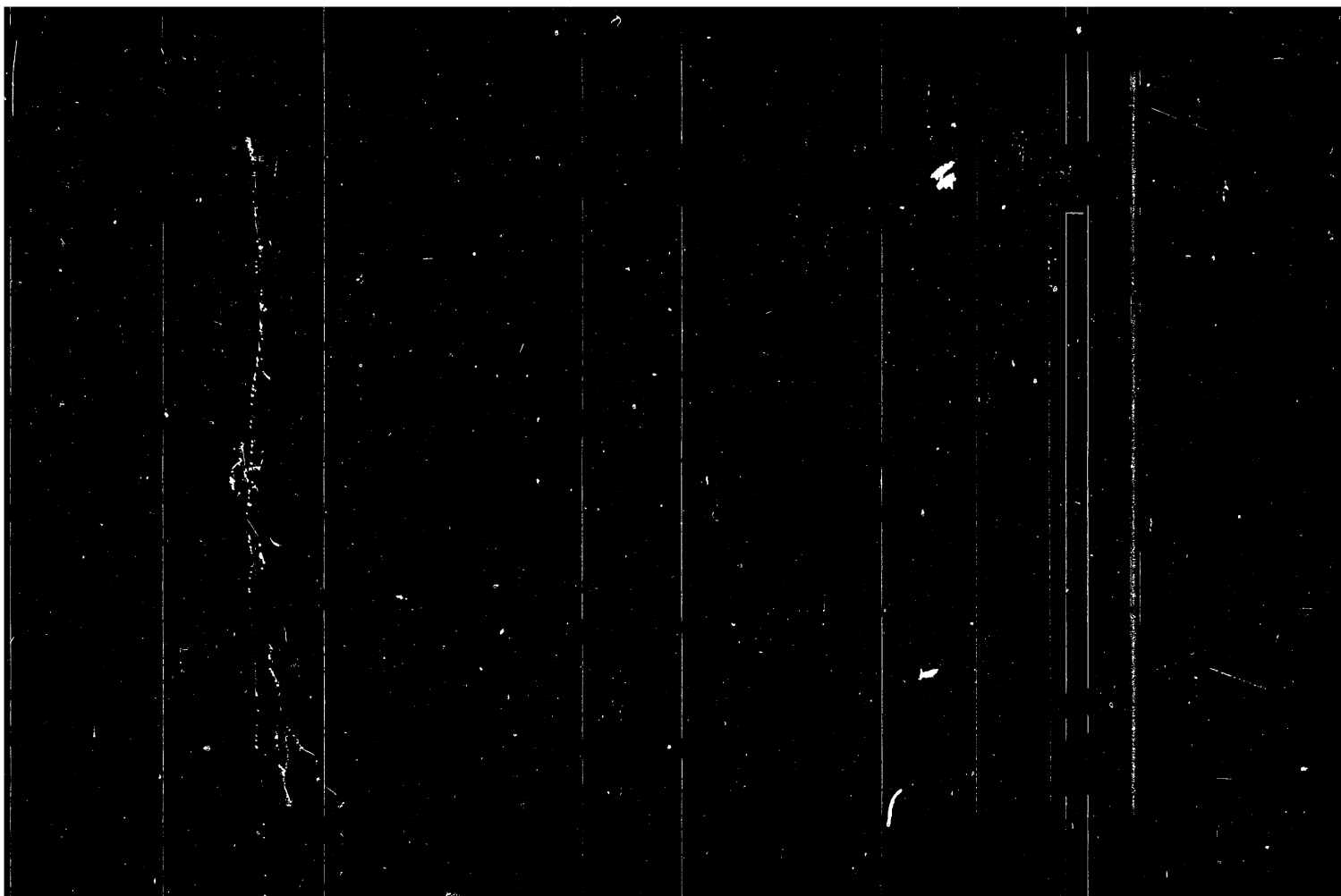
1. **Calibration:** The polarographic method for the solution of cobalt and nickelous compounds of potassium, sodium, and calcium. See, also, (and for further references) 9, 21-22 (1958) (in French). — From 0.1M  $\text{Co}(\text{NO}_3)_2$  and a 0.1M sodiumhydroxide solution (B) each containing 10 ml. of the salt to be determined, (B) is added to (A) with the use of a glass stirrer. The color is a light blue. The color is constant for 1 hr. and the voltage order varies from 0.1 to 0.2 V. The solution is allowed to stand with 1.0-0.1 M  $\text{NaOH}$ . The solution is brought to strong alkali and 10-50 ml. of water is added. For the calibration, from 0.1-0.3 ml. of a 0.1M  $\text{Co}(\text{NO}_3)_2$  solution, from 0.1-0.3 ml. of a 0.1M  $\text{Ni}(\text{NO}_3)_2$  solution, from 0.1-0.3 ml. of a 0.1M  $\text{Ca}(\text{NO}_3)_2$  solution, from 0.1-0.3 ml. of a 0.1M  $\text{NaOH}$  solution, and 10-50 ml. of water, the color is a light blue. The color is constant for 1 hr. and the voltage order varies from 0.1 to 0.2 V. The part of the curve of  $\text{Co}(\text{NO}_3)_2$  consists of 3 straight lines for 0-0.7 ml. and 0.7-1.0 ml.  $\text{Co}(\text{NO}_3)_2$  remains constant for approx. 1 hr. When 10 is present in amounts greater than 10 mg./50 ml. results for  $\text{Co}(\text{NO}_3)_2$  are high.  $\text{Ni}$  or  $\text{Ca}$  in amounts greater than 10 mg./50 ml. give a maximum or minimum. The method cannot be used in the presence of  $\text{Fe}$ ,  $\text{Cu}$ ,  $\text{V}$ ,  $\text{Mn}$ , or  $\text{U}$ .  $\text{Co}$  in 4 ml. of 0.1M  $\text{NaOH}$  gives a color of 4 ml. of 0.1M  $\text{NaOH}$  (III), 1.0 ml. of 0.1M  $\text{NaOH}$  (IV), 0.5 ml. of 0.1M  $\text{NaOH}$  (V), and 0.2 ml. of 0.1M  $\text{NaOH}$  (VI). The height of the curve is proportional to the amount of  $\text{Co}$  and is independent of the nature of the salt or the nature of the solution.  $\text{Ni}$ ,  $\text{Fe}$ ,  $\text{Cu}$ ,  $\text{V}$ ,  $\text{Mn}$ , or  $\text{U}$  do not interfere. The method gives a more or less constant color. It can be used for the determination of cobaltous compounds. The part of the curve is independent of the nature of the salt or the nature of the solution.  $\text{Ni}$ ,  $\text{Fe}$ ,  $\text{Cu}$ ,  $\text{V}$ ,  $\text{Mn}$ , or  $\text{U}$  do not interfere. The method gives a more or less constant color. It can be used for the determination of cobaltous compounds.

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71

Dist: 1820

Chas. H. Wacker

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migrate at a slower rate than when nitrates are used and the twin spots which are formed are more intense, due to the greater resistance of the chlorides to conversion to the trichloroacetates. In cases of twin spot formation, the trichloroacetates as a rule migrate at the fastest rate. The authors conclude that notwithstanding the development of tails and of twin spot formation in many cases, systems of two competing anions under certain conditions can be used for the effective resolution of cations, particularly cations of the type of Hg, Pb, Ag, Sb, and As. -- L. Dmitrenko

Card 3/3

$C_2H_5OH$  and  $CCl_3COOH$ , and increase of the concentration of the  $CCl_3COOH$  in the solvent reduces the migration of cations deposited on the paper in the form of nitrates; the spots become more compact, though a complete disappearance of the tails is not observed in the majority of cases. When longer chain alcohols (4-5 C atoms) are used as the solvents, double spots and spots of higher multiplicity are observed to form, e. g., in the case of Fe and Cr, which apparently form complexes. Esterification, which takes place in acid solvents, also plays an important part; ethyltrichloroacetate inhibits the conversion of the nitrates to trichloroacetates. When the chlorides of the metals are used, the spots

Abs Jour : Referat Zhur--Khimiya, No. 11, 1954, 13R001134900044-6

Author : Modreanu, F.; Fishel, S.; and Karpov, A.

Inst : Rumanian Academy of Sciences

Title : On the Problem of the Formation of Multiple Spots During Paper Chromatography With Two Competing Anions.

Orig Pub : Studii si Cercetari Stiint Acad RPR Fie Iasi Chim, 8, No. 2, 259-276 (1957) (in Rumanian with French and Russian summaries)

Abstract : The authors give a detailed discussion of the problem of the appearance of several spots or of diffuse tails (comets) during the paper chromatography of metal ions deposited on the paper in the form of their salts. It has been found that when the solvent used consists of a mixture of

Card 1/3

with the application of nitrobenzene, saturated with water in the character of a solvent. The duration of the chromatographic measurement is 3-4 hours (height of the rise of the solvent is 160-200 mm). At 18.5° the following values of  $R_f$  are obtained: Cs 0.20, Tl 0.14, Rb 0.11, K 0.07, NH<sub>4</sub> 0.05. Additional coloring of the

Card 2/3

prepared by an analytical image. By the method described 1-5  $\mu$  of each of the indicated ions is detected and determined.

Card 3/3

*MODREANU, F.*  
 RUMANIA / Analytical Chemistry. Analysis of  
 Inorganic Properties.

E

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 64170

Author : Modreanu Florin, Fisel Simon, Carpov Adrian  
 Inst : Not given  
 Title : Detection and Determination of Some Alkali  
 Metals by the Paper Chromatography Method.

Orig Pub: Studi, se cercetari stiint. Acad. RPR Fil.  
 Iasi. Chim., 1956, (1957), 7, No 2, 25-31

Abstract: Describes the separation of  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Rb}^+$  and  
 $\text{Cs}^+$  by the method of distributed chromatography  
 on strips of vatman No 4 paper, with the use of  
 Na picrate in the character of a reagent. 2-20  
 Ml of the analyzed solution, which contains  
 $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Pb}^+$  and  $\text{Cs}^+$  (as well as  $\text{Tl}$ ) in the form  
 of chlorides, nitrates or iodides (concentration



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Classification: None

Title: Photometric Method of Indirect Determination of Copper

Original

Periodical: Metoda colorimetrica de determinare a cuprului. Studii si  
sercetari stiint. Acad. RPR, Fil. Iasi, 1955, 6, No 3-4, 291-293;  
Rumanian; Russian and French resumes

Abstract: Cu is precipitated as  $[CuPy_4]Cr_2O_7$  (Py -- pyridine) the precipitate  
is filtered off, dissolved in 1N  $H_2SO_4$ . Coloration of  $Cr_2O_7^{2-}$  ion  
is compared in a Dubosque colorimeter with a standard.

Card 1/1

MODREANU, F.

Romania/Analytical Chemistry - Analysis of Inorganic Substances

G-2

Abs Jour : Referat Zhur - Khimiya, No 3, 1957, 8499

Author : Modresanu, F.

Inst : Romanian Academy of Sciences

Title : A New Photometric Method for the Determination of Cobalt and the Indirect Determination of Potassium

Orig Pub : Studii si cercetari stiint. Acad. RPR, Fil. Iasi, 1955, Vol 6, Nos 3-4, 273-290 (in Romanian with summaries in French and Russian)

Abstract : For the determination of Co, 1 ml of a 5% KCNO solution and 1 ml of a 10%  $\text{CH}_3\text{COONH}_4$  solution are added to 3.0 ml of the solution to be analyzed in a 25 ml volumetric flask and the solution is diluted to the mark with acetone. The blue solution of  $\text{K}_2[\text{Co}(\text{CNO}_4)]$  is analyzed with a type FEK-M photometer, using a red filter. The method permits the determination of 0.2-1.8 mg Co in 25 ml acetone in the presence of 2 mg Ni, Mn, Sb, As, or Ag. In the presence of 10 mg  $\text{Hg}^{2+}$  turbid solutions are obtained at first; on standing 30-45 min, the latter clear up. In the presence of Cd or Bi, the solution must be centrifuged before the measurements are made.

Card 1/2

MODREANU FLORIN

RUMANIA/Analytical Chemistry - Analysis of Inorganic  
Substances

G-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4774  
 Author : Modreanu Florin  
 Inst : Rumanian Academy  
 Title : Photometric Micromethod. for the Determination of Cobalt  
 Orig Pub : Studii si cercetari stiint. Acad. RPR. Fil. Iasi, 1955,  
 6, No 3-4, 261-272  
 Abstract : Change of pink coloration to a blue one on dissolution  
 of the  $[CoPy_4(SCN)_2]$  complex in acetone is attributed  
 to a partial depyridinization of the complex, with  
 formation of beta-pyridinethiocyanate of cobalt that  
 has a blue color. From acetone solutions of  
 $[CoPy_4(SCN)_2]$  has been isolated a di-pyridine complex  
 by addition of a large amount of  
 gasoline.

Card 1/1

- 32 -

MODREANU, F.

Romania/Analytical Chemistry - Analysis of Inorganic Substances

9-2

Abs Jour : Referat Zhur - Khimiya, No 3, 1957, 8498

Author : Modreanu, F.

Inst : Romanian Academy of Sciences

Title : A Photometric Micromethod for the Determination of Cobalt

Orig Pub : Studii si cercetari stiint. Acad. RPR. Fil. Iasi, 1955, Vol 6, Nos 3-4, 251-259 (in Romanian with summaries in French and Russian)

Abstract : The cobalt complex  $[CoPy_4(SCN)_2]$  dissolves in acetone with the development of a blue color. Beer's law applies to solutions containing 0.2-0.6 mg Co in 25 ml acetone. The time for the determination is 3-5 min. Small amounts of Ni, Mn, and Hg do not interfere with the determination. The latter is carried out as follows: a neutral solution containing 0.2-0.6 mg Co is placed in a Mika precipitation and filtration vessel, KSCN is added together with 2 drops of pyridine; after the precipitate has been separated as completely as possible from the solution by filtration, the Co complex is dissolved in acetone, the solution diluted to 25 ml with acetone, and the optical density of the solution is measured with a type FEK-M photometer, using a red filter.

Card 1/1

-33-

MODREANU, F

Romania/Analytical Chemistry - Analysis of inorganic compounds

0-2

Abs Jour : Referat Zhur - Khimiya, No 3, 1957, 8427

Author : Modreanu, F.

Inst : Romanian Academy of Sciences

Title : A Photometric Method for the Determination of Copper Using the  $[CuPy_2(SCN)_2]$  Complex

Orig Pub : Studii si Cercetari stiint Acad. RPR. Fil. Jasi, 1955, Vol 6 Nos 3-4, 237-250 (In Romanian with summaries in French and Russian)

Abstract : The Cu is precipitated as  $[CuPy_2(SCN)_2]$ , and precipitate is filtered and dissolved in a mixture of 2 ml pyridine and 23 ml acetone; the optical density of the solution is measured with a type FEK-M photometer, using a 10 mm absorption cell and a blue filter. The method permits the determination of 0.3-1.2 mg Cu in 25 ml in the presence of 2 mg Mn, Ni, or Co. The presence of 1-2 mg Zn or Cd markedly decreases the optical density of the solution. When the last two substances are present in the starting solution, 1 mg of Zn or Cd is added (as the sulfate), the copper complex is precipitated, filtered, redissolved, and the color of the solution

Card 1/2

-12-

MODREANU F.

Romania/ Analytical Chemistry - Analysis of Inorganic Substances 3-2

Abs Jour : Referat Zhur - Khimija, No 3, 1957, 8449

Author : Modreanu, F.

Inst : Romanian Academy of Sciences

Title : An Indirect Photometric Method for the Determination of Mercury

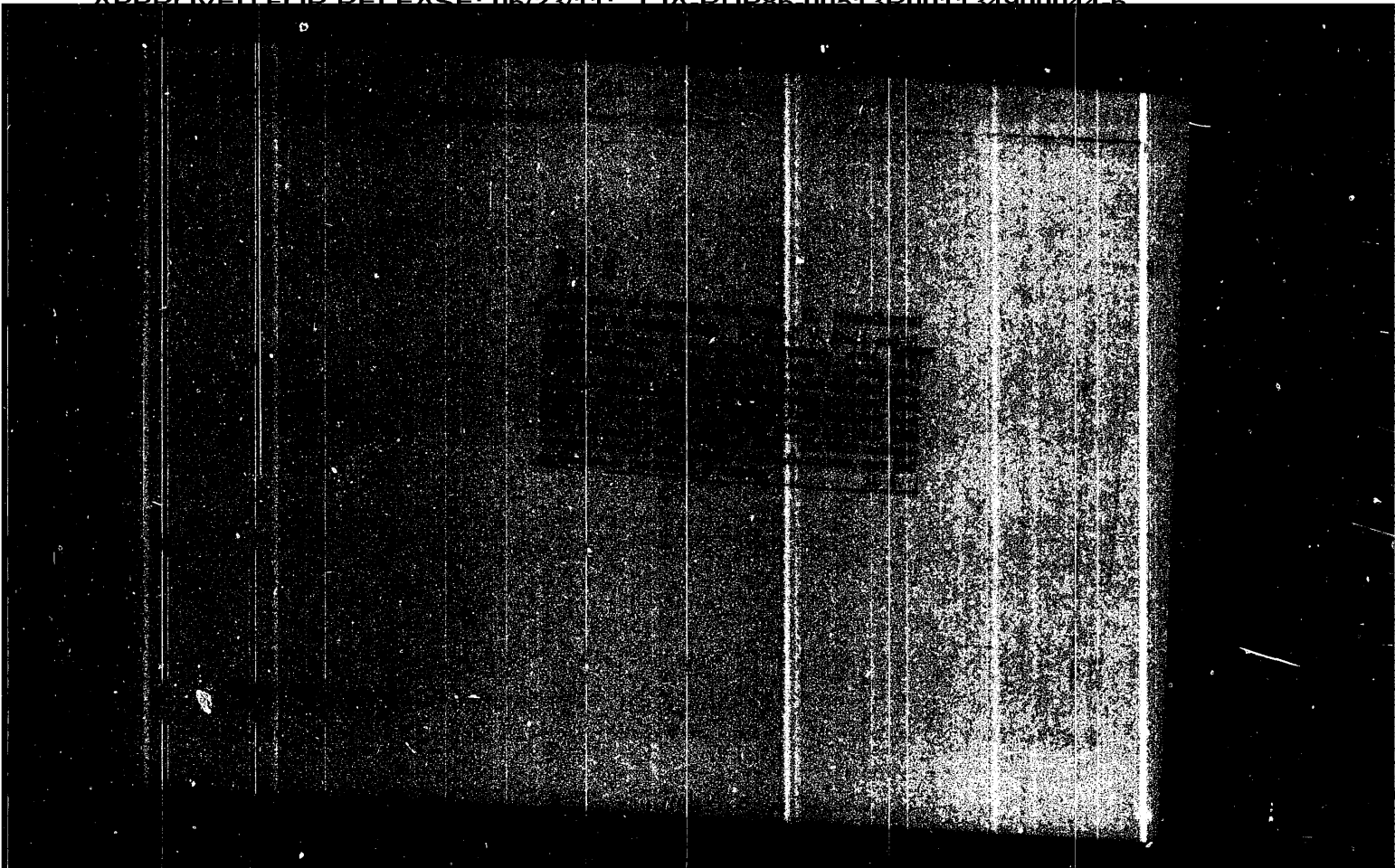
Orig Pub : Studii si cercetari stiint. Acad. RPR. Fil. Iasi, 1955, Vol 6  
Nos 3-4, 231-235 (in Romanian with summaries in French and Russian)

Abstract : The  $Hg^{2+}$  ion is separated in the form of  $[HgPy_2]Cr_2O_7$  [sic] in the presence of  $(NH_4)_2Cr_2O_7$  and pyridine; after filtration the complex is decomposed with sodium hydroxide and the solution is made weakly acidic with acetic acid. The color of the  $Cr_2O_7^{2-}$  ion is compared with that of standards made up of pure solutions of  $(NH_4)_2Cr_2O_7$ ; a Duboscq comparator is used in the determinations. A procedure for the filtration and comparison of the color intensities is described.

Card 1/1

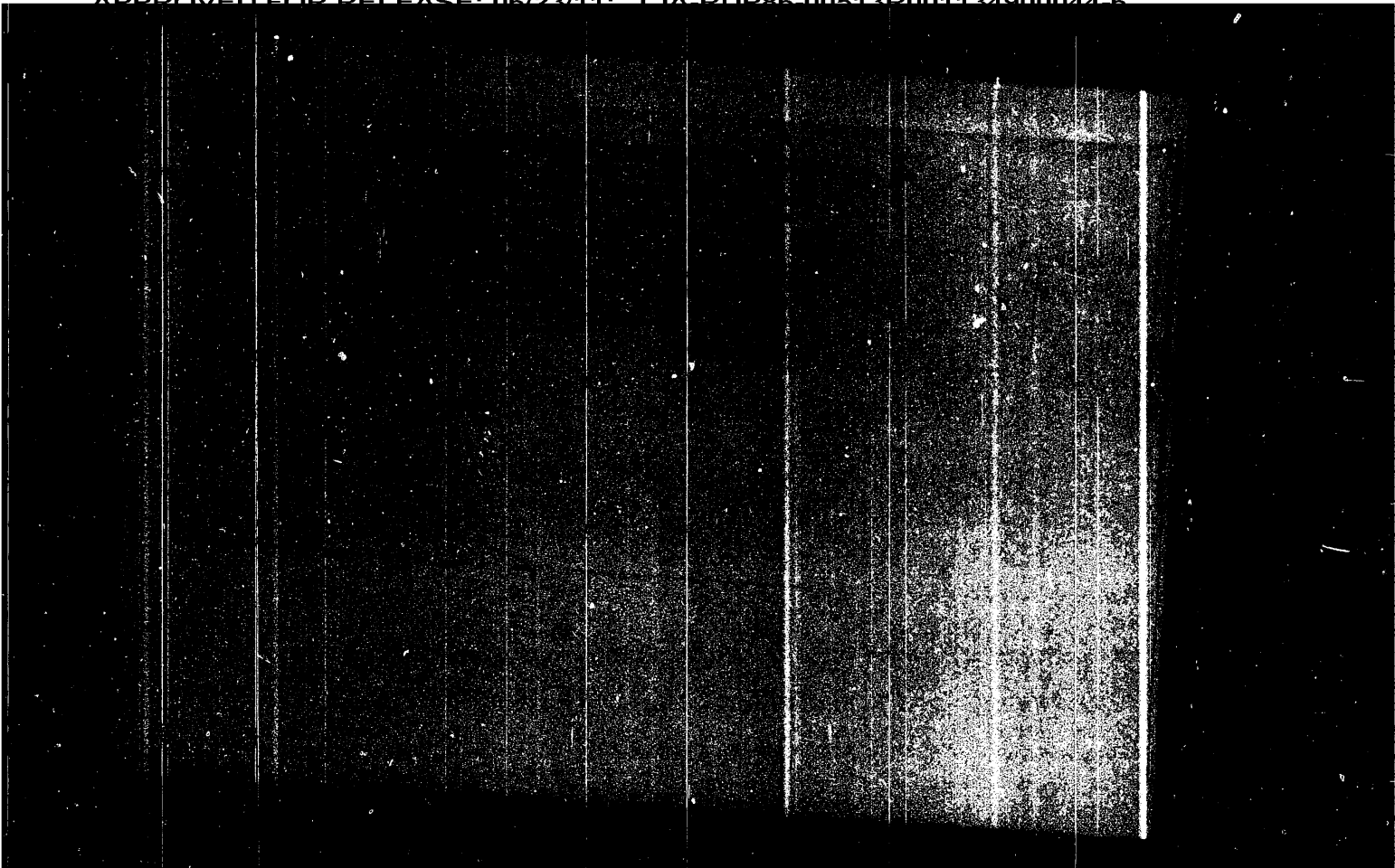
-26-

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MODRAN, L.; PACURARU, A.; CINSCHI, C.

Staphyloderma in the rural medium. Microbiologia (Bucur) 6 no.1:64-65  
Ja-F '61.

POLAND

HABURA, Ryszard and MODRAKOWSKI, Andrzej. Chair of Surgery (Katedra Chirurgii), Veterinary Division (Wydział Weterynaryjny), WSR (Wyższa Szkoła Rolnicza, Higher School of Agriculture) in Wrocław (Director: Docent, Dr. R. Habura).

"Use of Agents Causing Flaccidity to Prepare Horses for Surgery."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol. 18, No. 12, Dec. 62, pp 734-739.

Abstract: [Authors' English summary modified]. Author discusses the Polish preparation "Chlorsuccillin," the benefit from its use in laying down the horse prior to anesthesia and operation, and recommends its broader application in Polish practice. Of the 11 references, three are to Polish, two to German, and six to English sources.

1/1

ACT NO. 10026209

(A)

SOURCE CODE: FO/0071/65/000/009/0525/0528

AUTHOR: Badura, Ryssard (Docent; Doctor); Modrakowski, Andrzej—Modrakowski, A.; Osin'ski, Bogdan—Osin'ski, B.; Utsig, Jozef—Utsig, I. 10

ORG: Department of Surgery/headed by Docent, Doctor Ryssard Badura/, Veterinary Faculty, WSR, Wroclaw (Katedra Chirurgii Wydzialu Wet. WSR)

TITLE: Effect of controlled breathing on blood oxygen and carbon dioxide

SOURCE: Medycyna weterynaryjna, no. 9, 1965, 525-528

TOPIC TAGS: biologic respiration, blood chemistry, dog

ABSTRACT: The effect of controlled breathing on the content of oxygen, and carbon dioxide in the venous blood of dogs for various speeds of breathing was investigated. It was found that healthy dogs in which their own breathing was replaced by controlled breathing endure the slight hyperventilation of 5-20 minutes well, and that there is a certain tolerance to variation in the amount of O<sub>2</sub> and CO<sub>2</sub> in the blood causing an excess of physiological norms. The values nearest to the physiological norms were found, in the authors' investigations, in the fifth minute of controlled breathing when air was being pumped 6 times per minute. Orig. art. has: 1 figure and 1 tabl. [Based on authors' Eng. abst.] [JPRS: 33,500]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 006 / OTH REF: C18

End 1/1

006 1157

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900044-6

MODRAKOWSKI, A.

"Some Problems in Horse Transportation," by A. Modrakowski. Transport, No. 12,  
Warsaw, Dec 54.

MODRAKOWSKI, A.

Apparent rupture of the flexor tendon. p. 171 (MEDYCINA WETERYNARYJNA, Vol. 3, no. 4, April, 1953).

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900044-6

TEMPELHOF, Jerzy (Warszawa); MODRAKOWSKI, Aleksander (Warszawa)

Tasks and development of branch transportation in the construction industry. Przegl budowl i bud mieszk 34 no.7:384-388 J1 '62.

L 1706-66 EWP(r)/EWP(z)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c) JD/HW

ACCESSION NR: AP5020700

CZ/0032/65/015/008/0603/0608

AUTHOR: Modráček, O. (Engineer); Reichl, J. (Engineer)

TITLE: Technique of hot extrusion of steels and design of modern hydraulic presses

SOURCE: Strojirenstvi, v. 15, no. 8, 1965, 603-608

TOPIC TAGS: extrusion, steel extrusion, hot extrusion, carbon steel, low alloy steel, stainless steel, steel bar, steel shape, steel tube

ABSTRACT: Czechoslovakia possessed no facilities for hot extrusion of steels and various alloys until 1963 when the Skoda CKB 1600 hydraulic extrusion press was put in operation. The press was built by Skoda Works in Pilsen. It has a capacity of 1600 hp and an extrusion speed of 200-350 mm/sec. During the test run, carbon-, low-alloy and stainless-steel bars, shapes, and tubes were extruded with reductions up to 97%. Orig. art. has: 9 figures and 2 tables. [DV]

ASSOCIATION: VUZ, Prague; SKODA-Oborovy podnik, Pilsen (SKODA-Branch Enterprise)

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, MM

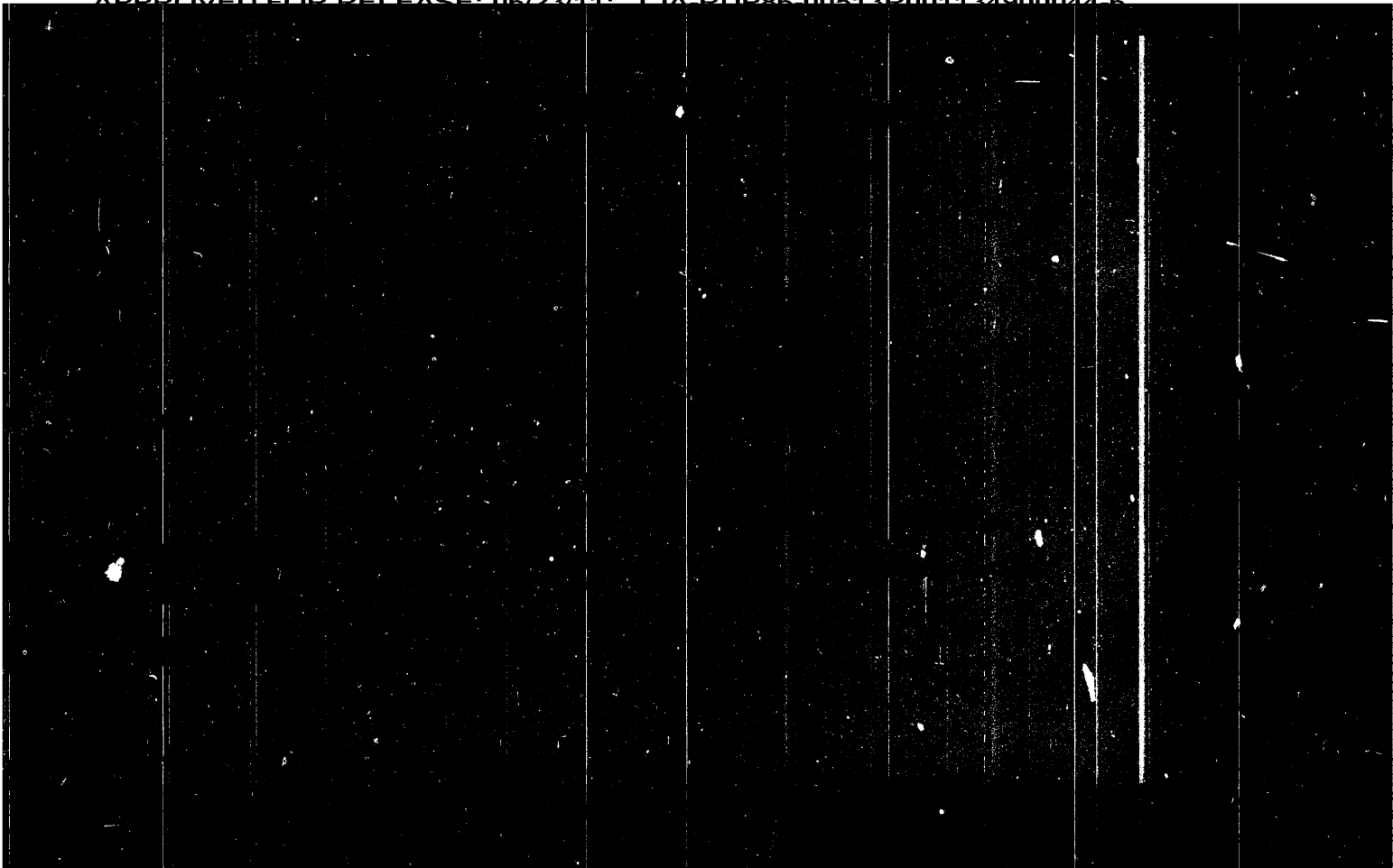
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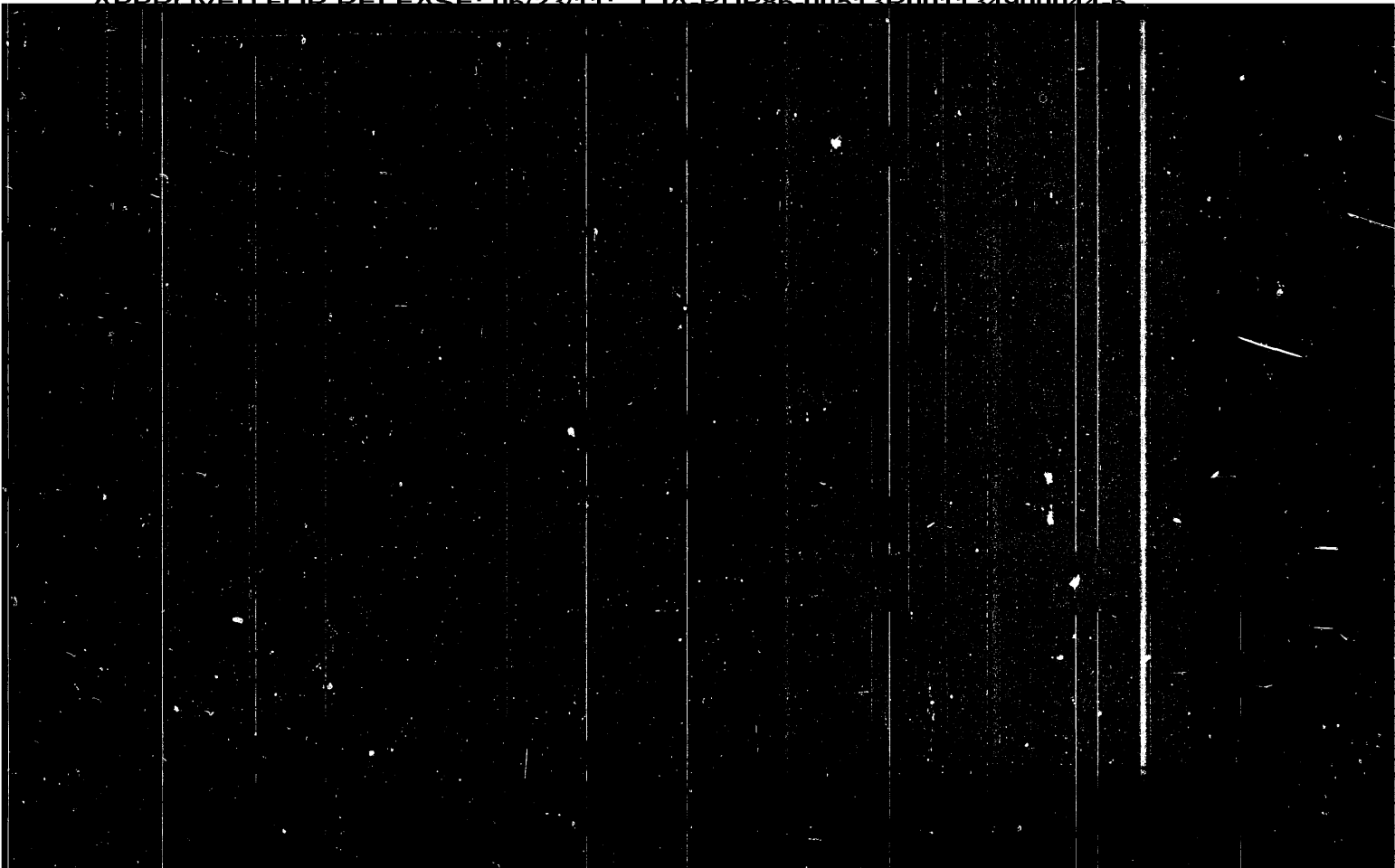
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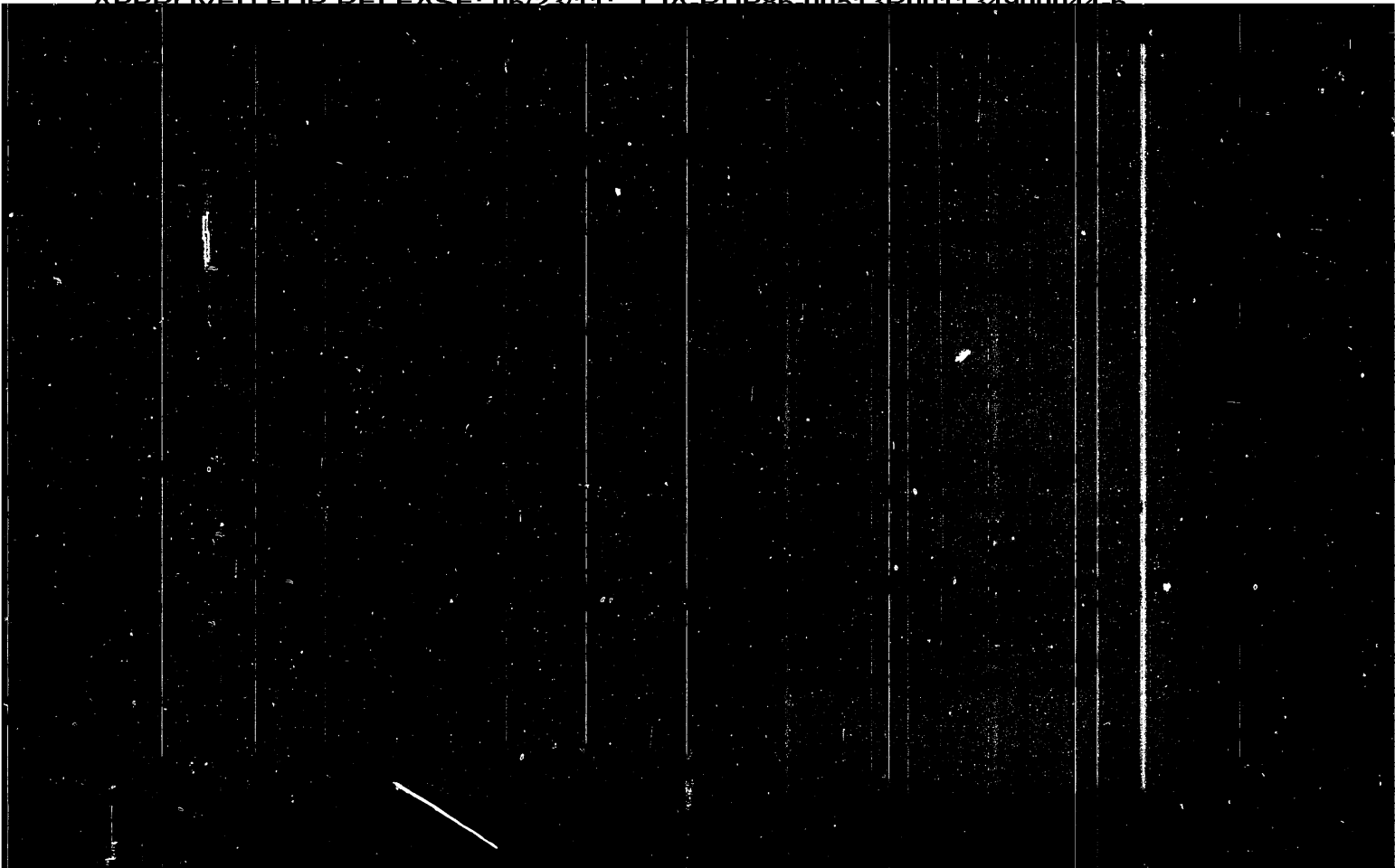
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Metallurgy Research Institute, Prague (Ferrous)  
SUBMITTED: May 5, 1959

Card 2/2

**AUTHORS:** Stanka, K., Eng 1134900044-6

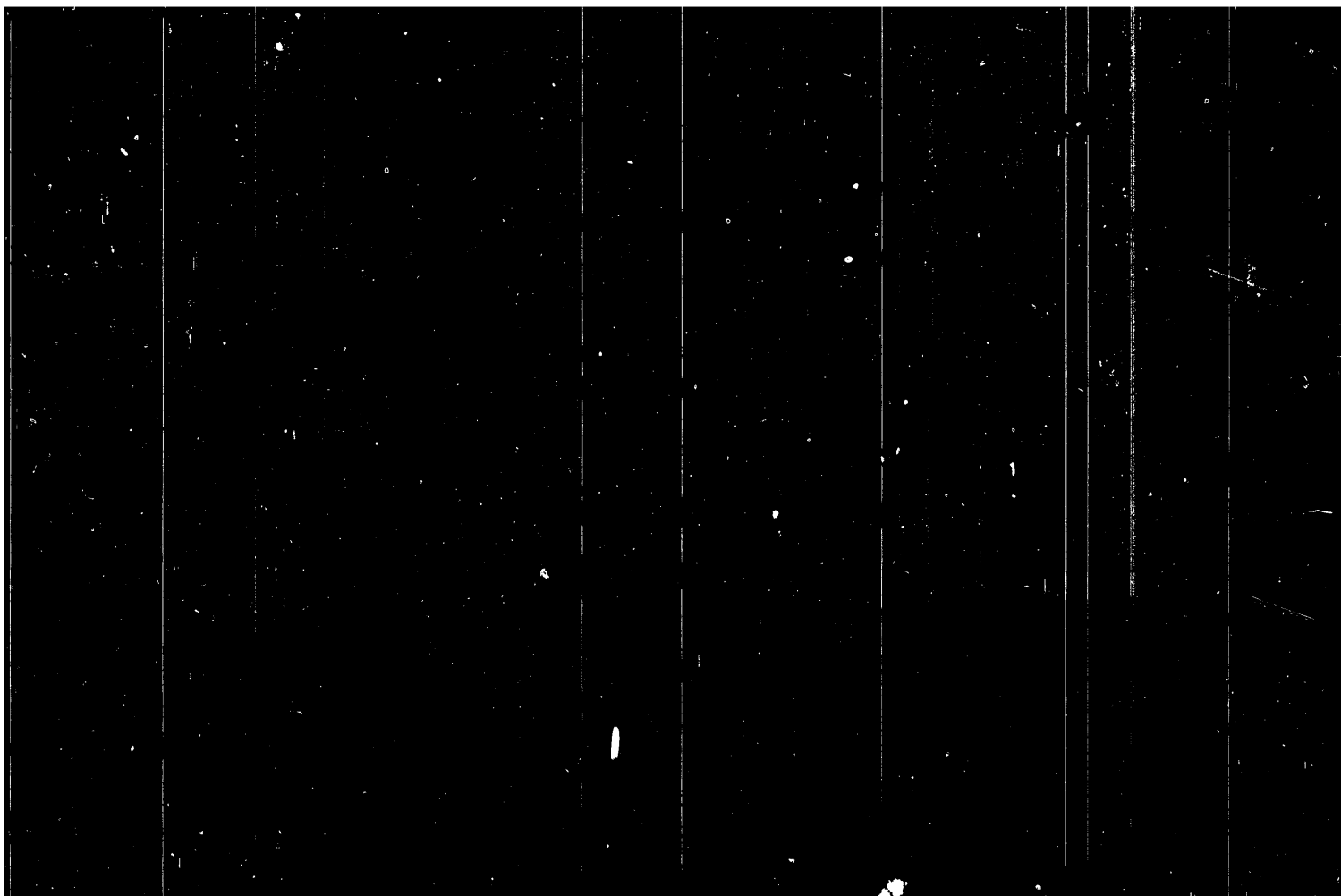
**TITLE:** Carbon Steels for the Driving Springs of Wrist Watches

**PERIODICAL:** Hutnické listy, 1959, Nr 8, pp 674 - 679

**ABSTRACT:** The authors solved the problem of producing drive springs for wrist watches of carbon steel of Czech origin. In this paper, the experiments are described and also the process and equipment used in manufacturing such springs and information is given on the instruments used for testing. On the basis of the experimental results a 400 kg heat was produced in an arc furnace of the Czech steel, type ČSN 19 221, with the addition of vanadium. The composition was as follows: 1.03% C, 0.27% Mn, 0.17% Si, 0.005% P, 0.013% S, 0.07% Cu, 0.09% Ni, 0.07% Cr, 0.27% V, 0.027% Al, 0.08% Co. The tests have shown that the Czech-produced springs compare favourably with those of Swiss production. The importance of producing watch springs in Czechoslovakia can be gauged by the fact that for repairs alone 500 000 springs per annum are required.

Card 1/2

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SOURCE: East European Accessions list, Vol. 5, no. 9, September 1956

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1. Interni katedra UDL v Praze, vedouci doc. dr. O. Smahel, rentgenolo-  
gicka katedra UDL v Praze, vedouci MUDr. J. Slanina.  
(ASPERGILLOSIS) (LUNG DISEASES FUNGAL)

MODR, Zdenek; VYBORNA, Mario; TUREK, Jiri

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doc. dr. O. Smahel, DrSc. -- Infekcni oddeleni Thomayerovy nemocnice  
v Praze-Krci, vedouci MUDr. M. Vyborna. -- I. interni oddeleni  
Thomayerovy nemocnice v Praze-Krci, vedouci MUDr. J.A. Trojan.  
(PENICILLIN) (PENICILLIN PHENOXYMETHYL)

MUDr. Zdenek

SURNAME, Given Names

Country: Czechoslovakia  
Academic Degrees: MUDr  
Affiliation: [not given]  
Source: Prague, Prakticky Lekar, Vol 41, No 17, 5 September 1961,  
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Data: "Information for Therapeutic Practise."

GPO 981643

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(NEOPLASMS, ther.

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(CHEMOTHERAPY, in various dis.

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(URACIL, antag.

6-azauracil ther. of various cancers (Cz))

(CYTOTOXIC DRUGS, ther. use

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